How to manually clear EM Grid Control alerts

We can use the procedure outlined below to clear outstanding warning and critical alerts which are displayed on the EM Grid console home page. Normally these alerts get cleared automatically when the event ot threshold which caused these events in the first place is longer in the 'critical' or 'warning' state.

But there are some times when we wish to manually clear the alerts – there are some notes on Metalink whic document cases where alerts are not cleared even after the event which caused them no longer exists – and also we may want to clear all the warning alerts which concern alerts related to logins by SYS user – out of th box auditing of the SYS user logins is enabled and every time SYS connects, it will generate a warning alert.

In a forthcoming post I will detail now to create a customised monitoring template and deploy it enterprise wid

Let us see an example where we would like to clear outstanding alerts related to database ADRP.

The table SYSMAN. MGMT_TARGETS has information on the monitored targets and the table SYSMAN. MGMT_CURRENT_SEVERITY contains data related to all critical and warning alerts.

We can query the MGMT_CURRENT_SEVERITY table and see that there are two rows in the table pertaining to ADRP database.

```
SQL> select TARGET_NAME,TARGET_TYPE ,TARGET_GUID  from  mgmt_targets
  2  where TARGET_NAME like 'adrp%';

TARGET_NAME
--------------------------------------------------------------------------
TARGET_TYPE
--------------------------------------------------------------
TARGET_GUID
--------------------------------
adrp
oracle_database
90BDD386E4F020F5356060DB6B94CAA3


SQL> select count(*) from mgmt_current_severity where TARGET_GUID='90BDD386E4F020F5356

  COUNT(*)
----------
         2
```

We can use this procedure to delete the required rows – note that this block will in turn call the EM_SEVERIT package which will perform the clean up of dependant internal tables

```
DECLARE
   CURSOR c1 IS
     SELECT s.target_guid,
            s.metric_guid,
            s.key_value
       FROM mgmt_targets t JOIN mgmt_current_severity s
            ON s.target_guid = t.target_guid
      WHERE LOWER(t.target_name) LIKE 'adrp%'
        AND t.target_type = 'host';


BEGIN
```

```
    FOR r IN c1 LOOP
        em_severity.delete_current_severity(r.target_guid,
            r.metric_guid,
            r.key_value);
        DELETE from sysman.mgmt_severity
        WHERE
          target_guid = r.target_guid AND
          metric_guid = r.metric_guid AND
          key_value = r.key_value;


    END LOOP;
    COMMIT;
end;
/

SQL> select count(*) from mgmt_current_severity where TARGET_GUID='90BDD386E4F020F5356

   COUNT(*)
----------
        0
```

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